

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Todd C. Adelmann

Confirmation No.: N/A

Application No.: Unassigned

Examiner: Unknown

Filing Date: July 7, 2003

Group Art Unit: N/A

Title: MAGNETO-RESISTIVE MEMORY DEVICE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EV318758868US

Date of Deposit July 7, 2003

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By Trevor Brown

Typed Name: Trevor Brown

Respectfully submitted,

Todd C. Adelmann

By David N. Fogg

David N. Fogg

Attorney/Agent for Applicant(s)  
Reg. No. 35,138

Date: July 7, 2003

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200208967-1</b>	APPLICATION NO.	CONFIRMATION NO. <b>N/A</b>
	APPLICANT <b>Todd C. Adelman</b>		
	FILING DATE <b>July 7, 2003</b>	GROUP <b>N/A</b>	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,699,293	12/16/1997	Tehrani et al.	
	1B	5,936,882	08/10/1999	Dunn	
	1C	6,034,887	03/07/2000	Gupta et al.	
	1D	6,205,052	03/20/2001	Slaughter et al.	
	1E	6,341,084	01/22/2002	Numata et al.	
	1F	6,366,494	04/02/2002	Weber et al.	
	1G	6,396,733	05/28/2002	Lu et al.	
	1H	6,424,564	07/23/2002	Li et al.	
	1I	6,501,686	12/31/2002	Boehm et al.	
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Butner, Richard, "Computing Unplugged: Magnetic RAM cures your computer of short-term memory loss", <a href="http://www.research.ibm.com/thinkresearch/pages/2001/20010202_mram.shtml">http://www.research.ibm.com/thinkresearch/pages/2001/20010202_mram.shtml</a> , 4 pgs.
1R	Daughton, James, "Magnetoresistive Random Access Memory (MRAM)", <a href="http://www.nve.com/otherbiz/mram.pdf">http://www.nve.com/otherbiz/mram.pdf</a> , Copyright © 2/4/00, 13 pgs.
1S	Geppert, Linda, "The New Indelible Memories: It's a three-way race in the multibillion-dollar memory sweepstakes", <a href="http://www.spectrum.ieee.org/WEBONLY/publicfeature/mar03/semi.html">http://www.spectrum.ieee.org/WEBONLY/publicfeature/mar03/semi.html</a> , Feb. 28, 2003, 10 pgs.

EXAMINER

DATE CONSIDERED